

WHAT IS CLAIMED IS

1. A photosensitive resin laminate comprising at least a support, a photosensitive resin layer and an IR ablation layer,  
5 wherein the IR ablation layer comprises an IR absorbent metal layer which is disposed in contact with the photosensitive resin layer.
2. The photosensitive resin laminate of claim 1, wherein the IR  
10 ablation layer comprises the IR absorbent metal layer and an organic polymer layer laminated on said metal layer.
3. The photosensitive resin laminate of claim 1, wherein the IR  
15 ablation layer has a thickness of 70 - 20000 Å.
4. The photosensitive resin laminate of claim 1, wherein the IR  
absorbent metal layer is an aluminized layer.
5. The photosensitive resin laminate of claim 2, wherein the  
20 organic polymer layer laminated on the metal layer is a non-IR-sensitive polymer resin layer.
6. The photosensitive resin laminate of claim 2, wherein the  
25 organic polymer layer laminated on the metal layer can receive an opaque non-transparent to actinic radiation.
7. The photosensitive resin laminate of claim 2, wherein the  
organic polymer layer laminated on the metal layer contains a  
UV absorbent.
- 30 8. The photosensitive resin laminate of claim 1, wherein the IR ablation layer has an optical density of not less than 2.0.

9. The photosensitive resin laminate of claim 1, which shows a rate of change in the radius of a halftone dot after IR ablation of not more than  $\pm 30\%$  per unit energy ( $\text{J}/\text{cm}^2$ ).

5 10. The photosensitive resin laminate of claim 1, which is a photosensitive plate.

11. The photosensitive resin laminate of claim 1, which is a photosensitive flexo plate.

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12. The photosensitive resin laminate of claim 11, wherein wrinkles are not caused when a bending radius is not more than 5 cm.

15 13. The photosensitive resin laminate of claim 11, wherein the IR ablation layer comprises the IR absorbent metal layer and an organic polymer layer laminated on said metal layer, said organic polymer layer being a non-IR-sensitive polymer resin layer and the non-IR-sensitive polymer resin layer comprising a  
20 water-soluble polymer and a plasticizer.

14. The photosensitive resin laminate of claim 1, wherein the photosensitive resin laminate is a photosensitive letter press plate.

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15. The photosensitive resin laminate of claim 14, wherein the photosensitive resin layer comprises a composition comprising a polymer binder, an ethylenically unsaturated compound and a photoinitiator, the photosensitive resin laminate shows a rate  
30 of warp of within  $\pm 2\%$  before exposure to actinic radiation, and a change in the warp after exposure to actinic radiation is not more than 15%.

16. The photosensitive resin laminate of claim 14, wherein the photosensitive resin layer has a residual solvent content of 3 - 10%.

<sup>5</sup> 17. A photosensitive resin laminate comprising at least a support, a photosensitive resin layer and an IR ablation layer, wherein the IR ablation layer comprises an IR absorbent metal layer and a UV absorbent organic polymer layer on at least one surface of the metal layer.

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